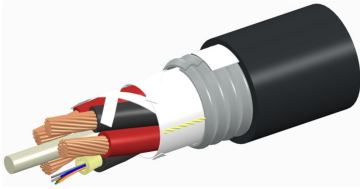


# HFC-8MM-412-APE



HELIAX® LazrSPEED® Hybrid Cable with aluminum armor

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Hybrid cable, copper and fiber
<b>Product Brand</b>	HELIAX®   LazrSPEED®

## General Specifications

<b>Application</b>	Remote radio head
<b>Armor Type</b>	Corrugated aluminum
<b>Cable Type</b>	Wireless feeder
<b>Conductors, quantity</b>	4
<b>Construction Type</b>	Armored
<b>Fiber Short Description</b>	RFF – 12AWG
<b>Fiber Type, quantity</b>	8
<b>Fibers per Subunit, quantity</b>	8
<b>Inner Shield (Tape) Material</b>	Corrugated aluminum
<b>Jacket Color</b>	Black
<b>Outer Shield (Tape) Material</b>	PE
<b>Strength Members</b>	Glass reinforced plastic rod
<b>Subunit, quantity</b>	1
<b>Total Fiber Count</b>	8
<b>Water Blocking Method</b>	Water blocking tape(s)   Water blocking threads

## Dimensions

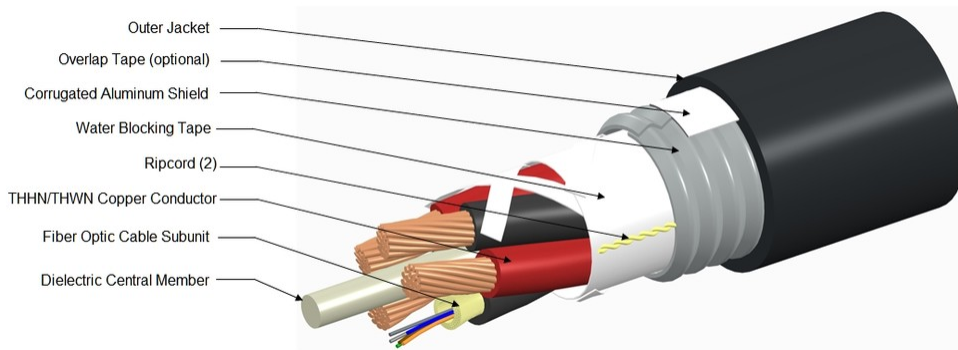
# HFC-8MM-412-APE

<b>Buffer Tube/Subunit Diameter</b>	3.048 mm   0.12 in
<b>Diameter Over Jacket</b>	13.97 mm   0.55 in
<b>Conductor Gauge</b>	12 AWG

## Electrical Specifications

<b>dc Resistance Note</b>	Maximum value based on a standard condition of 20 °C (68 °F)
<b>dc Resistance, maximum</b>	5.413 ohms/km   1.65 ohms/kft

## Representative Image



## Material Specifications

<b>Ripcord Material</b>	Para-aramid synthetic fiber
-------------------------	-----------------------------

## Mechanical Specifications

<b>Minimum Bend Radius, multiple bends, loaded</b>	279.4 mm   11 in
<b>Minimum Bend Radius, multiple bends, unloaded</b>	139.7 mm   5.5 in
<b>Minimum Bend Radius, single bend, unloaded</b>	96.52 mm   3.8 in
<b>Tensile Load, long term, maximum</b>	333.616 N   75 lbf
<b>Tensile Load, short term, maximum</b>	1,112.055 N   250 lbf
<b>Compression</b>	2.25 kg/mm   126 lb/in
<b>Compression Test Method</b>	FOTP-41
<b>Flex Test Method</b>	FOTP-104
<b>Impact</b>	2.17 ft lb   2.942 N-m
<b>Impact Test Method</b>	FOTP-25
<b>Twist</b>	10 cycles
<b>Twist Test Method</b>	FOTP-85

# HFC-8MM-412-APE

---

## Optical Specifications

**Fiber Type** OM2+, LazrSPEED® 150 | OM2+, LazrSPEED® 150

## Environmental Specifications

**Installation temperature** -30 °C to +70 °C (-22 °F to +158 °F)

**Operating Temperature** -40 °C to +70 °C (-40 °F to +158 °F)

**Storage Temperature** -40 °C to +70 °C (-40 °F to +158 °F)

**Cable Qualification Standards** ANSI/ICEA S-87-640 | Telcordia GR-20 | Telcordia GR-409

**Environmental Space** Wireless installation

## Packaging and Weights

**Cable weight** 263.405 kg/km | 177 lb/kft

## Regulatory Compliance/Certifications

### Agency

ISO 9001:2015



### Classification

Designed, manufactured and/or distributed under this quality management system

## Included Products

CS-5M-MP – LazrSPEED® 150 OM2+ Bend-Insensitive Multimode Fiber

## \* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable